

DT15 Rec'd PCT/PTO 20 JUL 2004

#2

In re the Application of

Inventors: Christian WENGERTER, et al.

Application No.: New PCT National Stage Application

Filed: July 20, 2004

For: CONSTELLATION REARRANGEMENT FOR ARQ TRANSMIT DIVERSITY SCHEMES

INFORMATION DISCLOSURE STATEMENTAssistant Commissioner of Patents
Washington, DC 20231

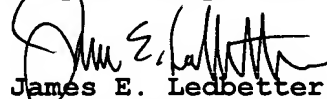
Sir:

Pursuant to Rules 56 and 99, Applicants hereby call the attention of the Patent Office to the references listed on the attached Form PTO 1449. These documents, except the S. Le Goff, et al. article, were cited in the International Search report dated July 24, 2003. Also, the S. Le Goff, et al. and C. Wengerter, et al. articles are discussed in the background section of the present application.

Applicants present this art so that the Patent Office may, in the first instance, determine any relevancy thereof to the presently claimed invention, see Beckman Instruments, Inc. v. Chemtronics, Inc., 439 F.2d 1369, 1380, 165 USPQ 355, 364 (5th Cir. 1970). Also see Patent Office Rules 104 and 106.

Applicants respectfully request that this art be expressly considered during the prosecution of this application and made of record herein and appear among the "References Cited" on any patent to issue herefrom.

Respectfully submitted,

James E. Ledbetter
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Date: July 20, 2004

JEL/ejw

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FORM PTO-1449 U.S. Department of Commerce
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STATEMENT BY APPLICANT

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ATTY. DOCKET NO.

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APPLICANT

Christian WENGERTER, et al.

FILING DATE

July 19, 2004

GROUP

Unassigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	2002 0 0 3 6 9 8 0	03/2002	Lundby et al.			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Wengert, C et al., "Advanced Hybrid ARQ Technique Employing a Signal Constellation Rearrangement," 2002 IEEE 56 th , IEEE Vehicular Technology Conference Proceedings, Vancouver, Canada, vol. 1 of 4 conf. 56, XP010608782, ppgs. 2002-2006. 24 Sept. 2002.
	"Enhanced HARQ Method with Signal Constellation Rearrangement," TSG-RAN Working Group 1 Meeting, no. 19, XP002229383, 27 Feb. 2001.
	Aik, C. et al., "Bit-Interleaved Coded Modulation with Signal Space Diversity in Rayleigh Fading," Signals, Systems, and Computers, Conference Record of the Thirty-Third Asilomar Conference, Piscataway, NJ, IEEE, XP 010373787, ppgs. 1003-1007, 24 Oct. 1999.
	Le Goff, S. et al., "Turbo-Codes and High Spectral Efficiency Modulation," Telecom Bretagne, France Telecom University, IEEE, XP 010608782, ppgs. 645-649, 1994.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered.
Include copy of this form with next communication to applicant.